

CLAIM AMENDMENTS

Please replace all prior versions of the claims with the following listing of the revised claims.

In The Claims:

1. (currently amended) A medical implant comprising: a cannula formed from at least a first layer, a second layer, and a third layer, ~~at least two of~~ said first layer, said second layer and said third layer being made of different non-synthetic, natural tissues, said first layer being an inner layer, said second layer being a middle layer, and said third layer being an outer layer, said cannula being further characterized by the absence of a synthetic support structure, wherein said second layer comprises a structural layer supporting said cannula against a vessel wall and said first layer and said second layer comprise growth factors encouraging said vessel wall to grow within said first layer and said second layer, and said cannula comprises a plurality of openings extending through a wall defined by said first layer, said second layer, and said third layer, said plurality of openings forming a pattern of struts.

2. (cancelled).

3. (cancelled).

4. (cancelled).

5. (cancelled).

6. (cancelled).

7. (cancelled).

8. (cancelled).

9. (cancelled).

10. (cancelled).

11. (cancelled).

12. (previously presented) The medical implant according to claim 1, wherein said first layer comprises small-intestine submucosa, wherein said second layer comprises cartilage, and wherein said third layer comprises small-intestine submucosa.

13. (cancelled).

14. (previously presented) The medical implant according to claim 12, wherein a drug is incorporated with at least one of said first, second and third layers of said cannula.

15. (cancelled).

16. (previously presented) The medical implant according to claim 14, wherein said drug is Paclitaxel.

17. (cancelled).

18. (previously presented) The medical implant according to claim 16, wherein said plurality of openings are formed by cutting through said wall with a laser.

19. (previously presented) A medical implant comprising: a cannula formed from a wall, said wall being formed from at least a first layer and a second layer, said first layer and said second layer each being made of different non-synthetic, natural tissues, said first layer being an inner layer comprising small-intestine submucosa and

said second layer being an outer layer to said first layer and comprising cartilage, said cannula being further characterized by the absence of a synthetic support structure, wherein said cannula comprises a plurality of openings extending through said wall thereby forming a pattern of connected struts.

20. (cancelled).

21. (cancelled).

22. (cancelled).

23. (cancelled).

24. (cancelled).

25. (cancelled).

26. (cancelled).

27. (previously presented) The medical implant according to claim 19, wherein said wall comprises at least a third layer in addition to said first layer and said second layer, said third layer being an outer layer to said second layer and comprising small-intestine submucosa.

28. (cancelled).

29. (previously presented) The medical implant according to claim 27, wherein said wall is infused with a drug.

30. (previously presented) The medical implant according to claim 29, wherein said plurality of openings are formed by cutting through said wall with a laser.

31. (previously presented) A medical implant comprising: a cannula formed from a wall, said wall being formed from at least a first layer and a second layer, said first layer and said second layer each being made of different non-synthetic, natural tissues, said first layer being an inner layer to said second layer and comprising cartilage and said second layer being an outer layer comprising small-intestine submucosa, said cannula being further characterized by the absence of a synthetic support structure, wherein said cannula comprises a plurality of openings extending through said wall thereby forming a structure of connected struts, said structure being expandable thereby supporting said cannula against a dilated vessel wall.

32. (cancelled).

33. (cancelled).

34. (cancelled).

35. (cancelled).

36. (cancelled).

37. (cancelled).

38. (cancelled).

39. (previously presented) The medical implant according to claim 31, wherein said wall comprises at least a third layer in addition to said first layer and said second layer, said third layer being an inner layer to said first layer and comprising small-intestine submucosa.

40. (cancelled).

41. (previously presented) The medical implant according to claim 39, wherein said wall is infused with a drug.

42. (previously presented) The medical implant according to claim 41, wherein said plurality of openings are formed by cutting through said wall with a laser.

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